

ATC™ 2000 *Advanced Teaching Compound Microscope*



Leica

The Tradition Continues...



Setting the Standard

For more than 20 years, the Series 150 microscope has been the standard for microscopy in teaching laboratories. Whether it came from American Optical—its originator, Reichert-Jung or most recently Leica, if it said Series 150, it was the best of its generation. Leica continues the tradition with the new ATC™ 2000 Advanced Teaching Compound Microscope. With superior optics, choice of contrast techniques and photodocumentation capabilities, the ATC 2000 delivers high performance at an economical price.

New Features - ATC 2000

- *Optional phase contrast*
- *Expanded 20mm field-of-view*
- *Objectives are parfocal and parcentered at all IPD settings*
- *Interchangeable monocular, binocular and trinocular bodies*
- *Modular design*

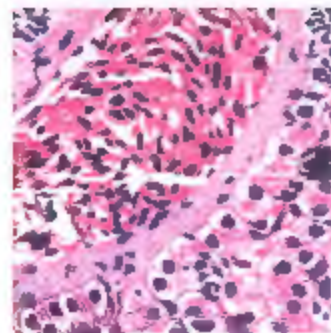
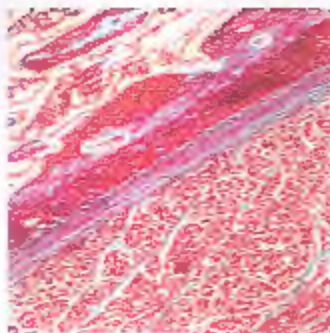
Innovation

The ATC 2000 microscope enhances advanced instruction by combining innovative design and a solid reputation of optical excellence. With ATC 2000, Leica has met the challenge of designing a microscope that surpasses the features and performance of the Series 150 - the standard for more than 20 years.

ATC 2000 provides an expanded 20mm field of view. Objectives are parfocal and parcentered at all IPD settings. Infinity corrected optics provide field flatness, color accuracy and superb specimen definition. Adding optional phase contrast capabilities makes ATC 2000 a complete teaching microscope.

Because ATC 2000 is modular, it allows more versatility than the Series 150; choose only the components necessary for your application. Interchangeable monocular, binocular and trinocular bodies increase viewing capabilities; the trinocular body permits use with video or photodocumentation systems.

ATC 2000's focusing nosepiece and fixed stage facilitate quick focusing and eliminate movement and vibrations. The optional graduated mechanical stage is available with left- or right-hand controls.



Proven Technology

Like the Series 150, the ATC 2000's all-metal construction assures durability, long classroom life and low maintenance. The ATC 2000 is equipped with Leica's exclusive spring loaded, reverse nosepiece. This allows easy access to the stage and prevents damage to slides and objectives. Objectives rotate into place with precise click-stop action.

ATC 2000's ultra-positive focusing system permits smooth coarse and fine focusing without lag or override. Focusing points are clearly indicated on the focusing knob with white-on-black graduations.



Superior Quality Optics

Parfocal, parcentered achromatic, planachromatic and plan phase objectives provide magnification ranges of 4X, 10X, 20X, 40X and 100X (oil). For easy identification, objectives are color-coded.

ATC 2000 comes with standard 10X widefield eyepieces with a 20mm field size, equipped with a built-in pointer. 21.9mm micrometer discs may be inserted into the eyepiece for accurate specimen measurement.



Illumination System

ATC 2000 provides constant, even illumination with a 6V, 9W tungsten-halogen lamp with a built-in reflector. A standard built-in field diaphragm maximizes illumination performance. The ATC 2000 also offers a choice of an Abbe condenser (1.25 N.A.) or a phase contrast turret condenser mounted on a focusable substage.

Kochler type illumination also is possible with the standard field diaphragm.

ATC 2000's illumination system is UL listed, CSA certified, VDE approved and meets CE requirements.



Accessories

Adding accessories to the ATC 2000 further increases its instruction capabilities. 35mm camera systems, as well as CCTV systems, are available for routine photomicrography.

For storage or transportation, a lightweight, padded nylon carrying case is available.

ATC 2000 Advanced Teaching Compound Microscope enables you to take classroom instruction beyond the standard. ATC 2000 strengthens your capabilities because it is designed with the changing classroom in mind.

ATC 2000 Advanced Teaching Compound Microscope...

Moving The Tradition Forward

EYEPIECES

10X Widefield
with pointer
191A

15X Widefield
162

16X Widefield
191



BODIES

Monocular
458

Binocular
470

Trinocular
471

OBJECTIVES

4X Achromat
438

4X Planachromat
464

10X Plan Phase
1750

10X Achromat
439

10X Planachromat
465A

20X Plan Phase
1752

40X Achromat
440

40X Planachromat
466

40X Plan Phase
1751

100X Achromat
467

100X Planachromat
463

100X Plan Phase
1753

CONDENSERS

1.25 NA Abbe
Condenser
277

Phase Telescope
194

Phase Contrast Condenser
279



Blue Filter
240

Green Filter
241



STANDS



452 RE
• Stand, 240V Illuminator
• Quadruple Nosepiece
• Focusable Substage
• Field Diaphragm
• 6V, 9W Halogen Lamp
• Right-Hand Graduated Mechanical Stage



452 LE
• Stand, 240V Illuminator
• Quadruple Nosepiece
• Focusable Substage
• Field Diaphragm
• 6V, 9W Halogen Lamp
• Left-Hand Graduated Mechanical Stage

452 RD
• Stand, 120V Illuminator
• Quadruple Nosepiece
• Focusable Substage
• Field Diaphragm
• 6V, 9W Halogen Lamp
• Right-Hand Graduated Mechanical Stage

452 LD
• Stand, 120V Illuminator
• Quadruple Nosepiece
• Focusable Substage
• Field Diaphragm
• 6V, 9W Halogen Lamp
• Left-Hand Graduated Mechanical Stage

ACCESSORIES

- Spare Lamp (6V, 9W) - 631
- Carrying Case - 485
- CCTV Adapter - 1900T
- 35mm Camera Adapter - 1345
- Immersion Oil - 6148
- Dust Cover - 31-49-63

ATC™ 2000 Advanced Teaching Compound Microscope is covered by Leica's 5 Year Warranty.

Due to a policy of continuous development, we reserve the right to change specifications without notice.

for more information,
please contact:

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